



# MAGIKOL

## Tile Bonder (MTB)

### PRODUCT DESCRIPTION

MAGIKOL Tile Bonder (MTB) is a polymer additive which needs to be pre-mix with cement or cement & sand and then should be mixed with water for installing tiles and natural stones using the traditional cement slurry over freshly laid levelling bed or machan.

#### Application

- Flooring
- Wall\*
- Internal & external areas
- Domestic application
- Commercial applications

#### Advantages

- Colour Friendly,  
can be used for both Gray & White Cement
- Easy to Use
- Economical
- Good Adjustability
- Good Water Retention Property
- Good Pot Life, open time & Workability.
- No hollow sound once used.
- Gives self curing property to the cement

#### Packaging:

300 gms Pouch

#### Coverage:

Only 300 gm to be mixed with 50 Kg bag of cement & add this mixture in water. Coverage will vary depending on thickness of levelling bed and the mix proportion used to make the levelling bed. Slurry coverage would depend upon porosity of substrate.

#### Shelf Life

12 months for sealed pack when stored under cover, out of direct sunlight, damp proof condition and protect from extremes of temperature.

### TECHNICAL DATA

Complies to EN standards: RG

#### Physical Properties

TEST	Test Method	RESULTS
Appearance / Colour	ANSI A 118.3 1999; E 5.1	White Powder
Bilk Density	ANSI A 118.6 1999; H 4.4	0.75 g/ml
Open Time	ANSI A 118.3 1999; E 5.2	<20 Min
Adjistibility	ANSI A 118.3 1999; E 5.2	<20 Min
Application Temperature	ANSI A 118.3 1999; E 5.3	5 °C to 35 °C
Sag	ANSI A 118.3 1999; E 5.4	No Saging
Setting Time	ANSI A 118.3 1999; E 5.5	24 Hrs
Grouting Time	ANSI A 118.3 1999; E 5.6	72 Hrs
Tensile Strength	ANSI A 118.3 1999; E 5.7	0.7 N/MM <sup>2</sup>
Share Adhesin Strength	ANSI A 118.3 1999; E 5.8	1.3 N/mm <sup>2</sup>

#### Limitations:

- Additives for cement slurry are not a substitute for tile adhesives and is to be used only as a strength enhancer where traditional method is being used.
- Use Magikol tile adhesives, over fully cured cement bed, screed, concrete or other substrates.
- Do not use for fixing artificial/ nano/ engineered stone/composites/ metal tile.

## INSTALLATION

### *Surface Preparation*

- The substrate must be cured, undamaged, compact, rigid, resistant, dry and free from any debonding agents and from damp rising.
- New concrete slabs shall be damp cured and 28 days old before application which will reduce the shrinkage from tile fixing surface.
- Expansion joints to be provided & filled with suitable sealant.
- Don't cover expansion joints with thin set tile adhesive/tile.
- Ideally levelling bed / Machan should be prepared using Water: Cement : Sand : Water in the ratio of 0.4 : 1 : 6 (it can vary as per requirement).

### *Mixing*

- MAGIKOL Tile Bonder to be mixed with cement / cement & sand.
- For Cement- sand bedding (machan), mix 300 gms of RTB in 1 bag cement (50 Kg) and add this pre-mix (mixer of cement & MTB) with sand in the ratio 1:6, or any other ratio as per industry best practices.
- Add water to saturate the mix enough and bring to the desired levels and consistency. Water dosage can be decreased / increased depending upon cement and sand available at site to achieve the desired consistency for application.
- For Tile or Stone laying over the Leveling Bed :  
Mix 300 gms of MTB in 1 bag cement (50 Kg) and add this for pre-mix (mixer of cement & MTB) with required water. Mix it thoroughly, to make a smooth, flowable, lump free slurry. Allow the mix to stand for 2 minutes before using it.
- Apply either cement slurry or fortified MTB+ cement slurry over the base slab.
- While the coat is still wet, evenly spread the mortar/ machan over the area to be covered by cement bedding (machan). Compact the mortar well, while levelling the bed.

### **Application:**

- Proceed with tile laying using wet-on-wet method with MTB + cement slurry.
- Pour the mix described above, over fresh screed, and spread the slurry to a uniform thickness of 1 to 2mm. Carefully place the tile onto wet, sticky slurry.
- Use spacers, to leave enough space between tiles. The joint width shall be as per the recommendation of architect / engineer.
- Stroke the tiles using a rubber mallet, to level the tiles, and ensure the tile is perfectly imbedded in the soft screed.
- It is good practice to lift an occasional tile after fixing, to verify that the required contact is being achieved.
- If the slurry is skinned over, remove the slurry and replace with fresh slurry.
- If necessary, tiles should be adjusted within 5- 10 minutes of installation.
- Carefully clean off any excess slurry from the tiles and joints with a damp sponge or cloth before it sets.
- Leave for at least 72 hours before grouting. Remove the spacers before grouting.

### **PRECAUTIONS & NOTE**

- Always mix MTB & cement dry mix first & then add this fortified mixture in water.
- Do not add excess water after desired consistency.
- Excess dosage of MTB will increase the setting time & take more time to cure.
- Not to be used on pre-set screed.
- Protect from direct rainfall/ foot traffic for at least 24 hours. It can be extended to 72 hours as per site condition & dosage of RTB.
- Leave gap between the tile & fill gaps with Magikol tile grout.

## **GROUTING**

Grouting should be carried out after 72 hours of tiling. Use the appropriate grouting material from Magikol range of cementitious and epoxy grouts.

## **SAFETY PRECAUTIONS**

Keep out of reach of children. Wear suitable protective clothing, gloves and eyes/face protection. After contact with skin, wash immediately with plenty of clean water.

In case of contact with eyes rinse immediately with plenty of clean water and seek medical advice. Limited to professional use only.

## **AVAILABILITY AND COST**

### **For distributor or area dealer information:**

Telephone: +91-022-49704245

e-mail: [info@magikol.co.in](mailto:info@magikol.co.in)

### **Cost**

Contact a Magikol Distributor in your area

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